



R. Saunders
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Moira Selinka
Moira Selinka

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
Austin, R. et al.

Serial No. 09/707,892

Filed: November 6, 2000

For: ELECTRODE-LESS
DIELECTROPHORESIS FOR
POLARIZABLE PARTICLES

Group Art Unit: 1743
Examiner: Brown, Jennine M.

Commissioner for Patents
Washington, D.C. 20231

SIR:

AMENDMENT

In response to the Office Action dated July 31, 2002, please amend the application as follows:

In the Claims:

Please amend claims 1 and 5-7 as follows:

1. (Amended) A microfluidic device for trapping polarizable particles

comprising:

a substrate bearing a plurality of constrictions, each of said constrictions being separated from one another by a gap having a distance D_1 ;

means for passing said polarizable particles in the vicinity of said constrictions;

and

means for applying a dielectrophoretic field to said substrate,

wherein said polarizable particles are trapped in said gap when said dielectrophoretic field is applied.

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